

Materials List for:

Multimer-PAGE: A Method for Capturing and Resolving Protein Complexes in Biological Samples

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Materials

Name	Company	Catalog Number	Comments
Chemicals			
ε-Aminocaproic acid	Sigma	A2504	
Acrylamide	Acros Organics	164855000	Toxic.
Acrylamide/bisacrilamide 37.5:1 (40%T stock solution)	BioRad	161-0148	Toxic.
Ammonium persulfate	Sigma	A3678	
Anti rabbit IgG-HRP from goat	Santa Cruz Biotechnology	sc-2004	
Bicinchoninic acid assay kit	ThermoFisher	23225	
Bis-tris	Sigma	B9754	
Bovine serum albumin	Sigma	A9647	
Butanol	Fisher Scientific	A399-1	
Chemiluminescence substrate kit	ThermoFisher	24078	
Coomassie blue G-250	Sigma-Aldrich	B0770	
Digitonin	Sigma	D141	Toxic.
Dimethyl sulfoxide	Fisher Scientific	D128-1	
Dithiobis(succinimidylpropionate)	Thermo Scientific	22585	
Dry nonfat milk	LabScientific	M0841	
Glycerol	Sigma	G9012	
Glycine	Fisher Scientific	BP381-5	
Halt Protease Inhibitor Cocktail	ThermoFisher	78430	
Hydrochloric acid	Fisher Scientific	A144SI-212	For titration. Caustic.
Methanol	Fisher Scientific	A412-4	For PVDF membrane activation. Toxic.
Monoclonal anti α-synuclein IgG from rabbit	Santa Cruz Biotechnology	sc-7011-R	
N,N,N',N'-tetramethylethylenediamine	Sigma	T9281	
N,N'-methylenebisacrylamide	Acros Organics	16479	Toxic.
NP40	Boston Bioproducts	P-872	
Polysorbate 20 (tween-20)	Fisher Scientific	BP337-500	
Polyvinylidene fluoride transfer membranes	Thermo Scientific	88518	
Ponceau S	Sigma	P3504	
Potassium chloride	Fisher Scientific	P217-3	

Potassium phosphate monobasic	Sigma	P9791	
Protease inhibitor cocktail	Thermo Scientific	88265	
SDS solution (10% w/v)	BioRad	161-0416	
Sodium chloride	Fisher Scientific	BP358-212	
Sodium dodecyl sulfate	Sigma	L37771	
Sodium phosphate monobasic	Fisher Scientific	BP329-1	
Tricine	Sigma	T0377	
Tris base	Fisher Scientific	BP152-500	
Tris-HCl (0.5 M buffer, pH 6.8)	BioRad	161-0799	
Tris-HCl (1.5 M buffer, pH 8.8)	BioRad	161-0798	
Name	Company	Catalog Number	Comments
Instruments			
GE Imagequant LAS 4000	GE Healthcare	28-9558-10	
ImageJ software	NIH		
Synergy H1 microplate reader	BioTek		
Gel Former + Stand	Biorad		
Microfuge 22R centrifuge	Beckman Coulter		
2 mL dounce homogenizer			
Vortex mixer	Fisher Scientific		
Ultrasonic tissue homogenizer	Fisher Scientific	FB120220	